

IN THE CLAIMS:

Please cancel claims 17-19, 24-33, 35-36 and 40. This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 17-19. Cancelled.

20. (Previously presented) An indicator for plasma sterilization, comprising
at least one type of colorless chromogenic fluoran pigment,
a coloring assistant,
a binder, and
a discoloration preventing agent for pigment colored by hydrogen peroxide
plasma sterilization and comprising a polyphenol compound,
wherein the color tone change of the indicator is allowed to occur by the
hydrogen peroxide low temperature plasma sterilization.

21. (Previously Presented) An indicator for plasma sterilization comprising an ink
containing
at least one type of colorless chromogenic fluoran pigment,
a coloring assistant comprising at least one compound having a dithiocarbamyl
group,
a binder for base material, and
a discoloration preventing agent for pigment colored by the hydrogen peroxide

plasma sterilization and comprising a polyphenol compound,

wherein said indicator is formed to undergo color tone change by hydrogen peroxide low temperature plasma sterilization.

Claims 24-33. (Cancelled).

34. (Previously presented) The indicator of Claim 20, wherein said polyphenol compound is selected from at least one of

diphenol acid;

phenolphthalein;

bis(4-hydroxyphenyl)propane;

1,1-bis(4-hydroxyphenyl)cyclohexane;

bis(4-hydroxyphenyl)sulfone;

bis(4-hydroxyphenyl)sulfide;

9,9-bis(4-hydroxyphenyl)fluorene;

4,4'-(1- α -methylbenzylidene)bisphenol;

α , α' -bis(4-hydroxyphenyl)-1,4-diisopropylbenzene;

4,4'-bisbutylidenebis(3-methyl-6-tertbutylphenol);

α , α , α' -tris(4-hydroxyphenyl)-1-ethyl-4-isopropylbenzene;

oligomers of 4-phenylphenol and formaldehyde; and

polyvinylphenol(poly(p-hydroxystyrene)).

Claims 35-36. (Cancelled).

37. (Previously Presented) The indicator of Claim 21, wherein said coloring assistant additionally includes at least one compound having a mercapto group.

38. (Previously Presented) The indicator of Claim 21, wherein said at least one compound having the dithiocarbamyl group exhibits low coloration promoting property in hydrogen peroxide vapor.

39. (Previously Presented) The indicator of Claim 21, wherein said pigment consists of fluoran pigment.

Claim 40. (Cancelled).